

[0117] SECURE NETWORK FILE ACCESS CONTROL SYSTEM

[0118] Abstract of the Invention

[0119] A secure network file access appliance supports the secure access and transfer of data between the file system of a client computer system and a network data store. An agent provided on the client computer system and monitored by the secure network file access appliance ensures authentication of the client computer system with respect to file system requests issued to the network data store. The secure network file access appliance is provided in the network infrastructure with the client computer system and network data store to apply qualifying access policies to file system requests. The secure network file access appliance maintains an encryption key store and associates encryption keys with corresponding filesystem files to permit encryption and decryption of file data as transferred to and read from the network data store.